



Complete Java Classes

A Cognizance of Excellence

❖ Spring :-

✚ Spring IOC

- What is Spring
- Spring Modules
- What is IOC
- Dependency Injection
 - ✓ Setter Based
 - ✓ Constructor Based
- Spring IOC Container
 - ✓ Core Container
 - ✓ Advance /J2EE Container
 - ✓ Setter Based XML & Java Based:-
{Primitive,Secondary,Array,Collection,Injection}
 - ✓ Constructor Based XML & Java Based:-
{Primitive,Secondary,Array,Collection,Injection}

- Autowiring
- Spring Bean life Cycle ➤ Bean Scope
- Scope Combination

Spring Web MVC:

- Features Of Web MVC
- Life Cycle of Web MVC
- DispatcherServlet, Stereotype Annotation in MVC
- Spring Form Validation
- Spring Hibernate Integration (XML and Java Based) ➤ Mini Project

✚ Spring Boot :

- What is Spring Boot
- Advantages Over Spring Web MVC
- Removal Of XML Files
- Simple Application Using Spring Boot ➤ Spring Boot Actuator.
- Spring Boot Profiles(DEV,PROD,UAT)
- Spring Boot With Data JPA (CRUD Repository)
- Mini Project Using Spring Boot



Spring Boot JPA:

- What is Spring Boot JPA?
- JPA Annotations
- Curd Repository
- JPA Repository
- Custom Queries
 - ✓ Using Method Name
 - ✓ JPA Named Queries
 - ✓ @Query Annotation

❖ Web Services :-

- What IS Web Services.
- Type Of Web services.(REST and SOAP) ➤ Hello World Example. ➤ Calculator.
- HTTP Method & URI.
- What IS ARC.
- API Call using ARC.
- What is POSTMAN.
- Crud Operation Using POSTMAN.
- Consume Web services using Rest Template API.
- Communicate With Diff Application (UI, Consume and Produce)

❖ Micro Services :-

- What is Spring Cloud?
- What is Micro services?
- Diff between Web services and Micro Service.
- Eureka server With Client Register.
- Configure With Zuul Server.
- Dynamically Routing With Load Balanced to an Application.
- Micro services Consuming using Rest template.
- Communication between UI micro service And Backend Micro services using Zuul and Rest Template.
Communication between Diff Client Micro services With DB Communication.